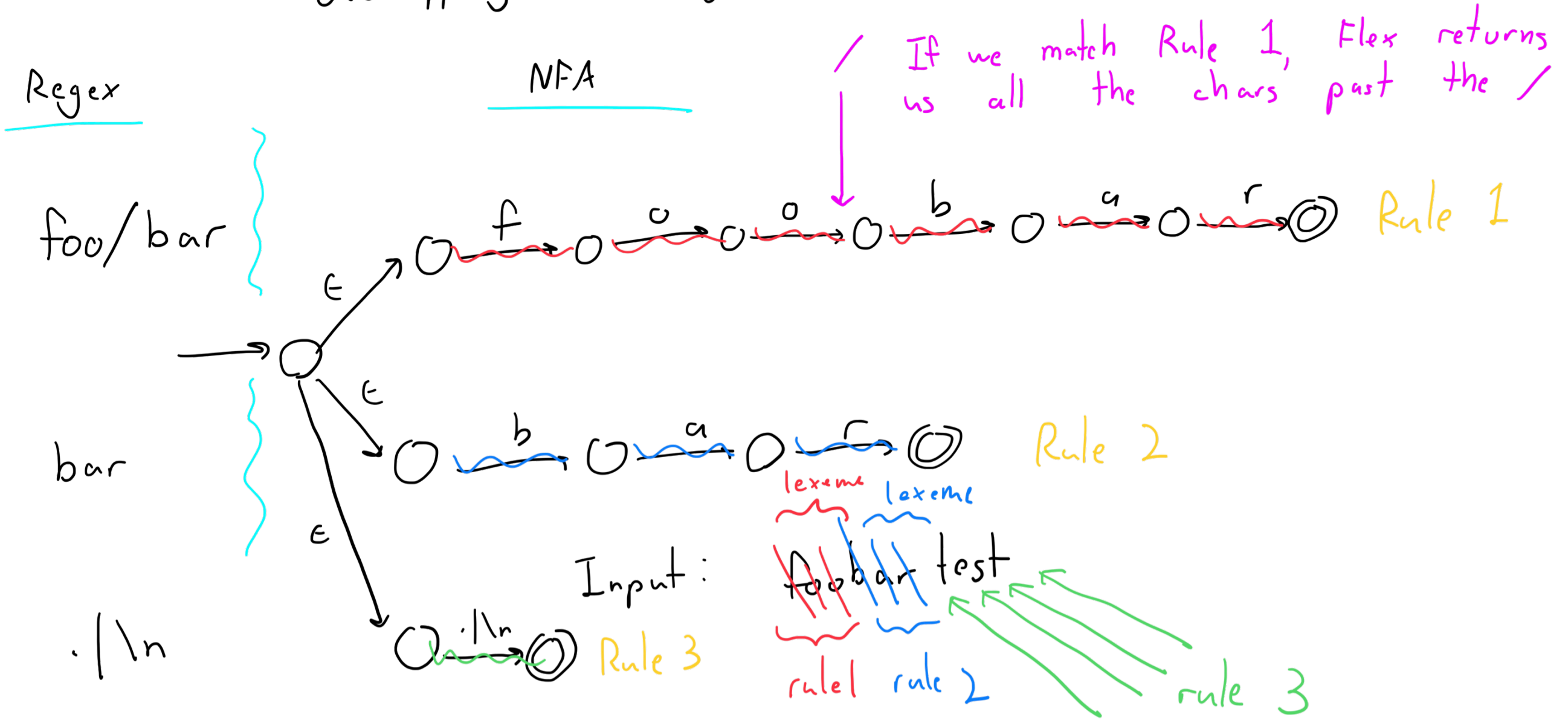
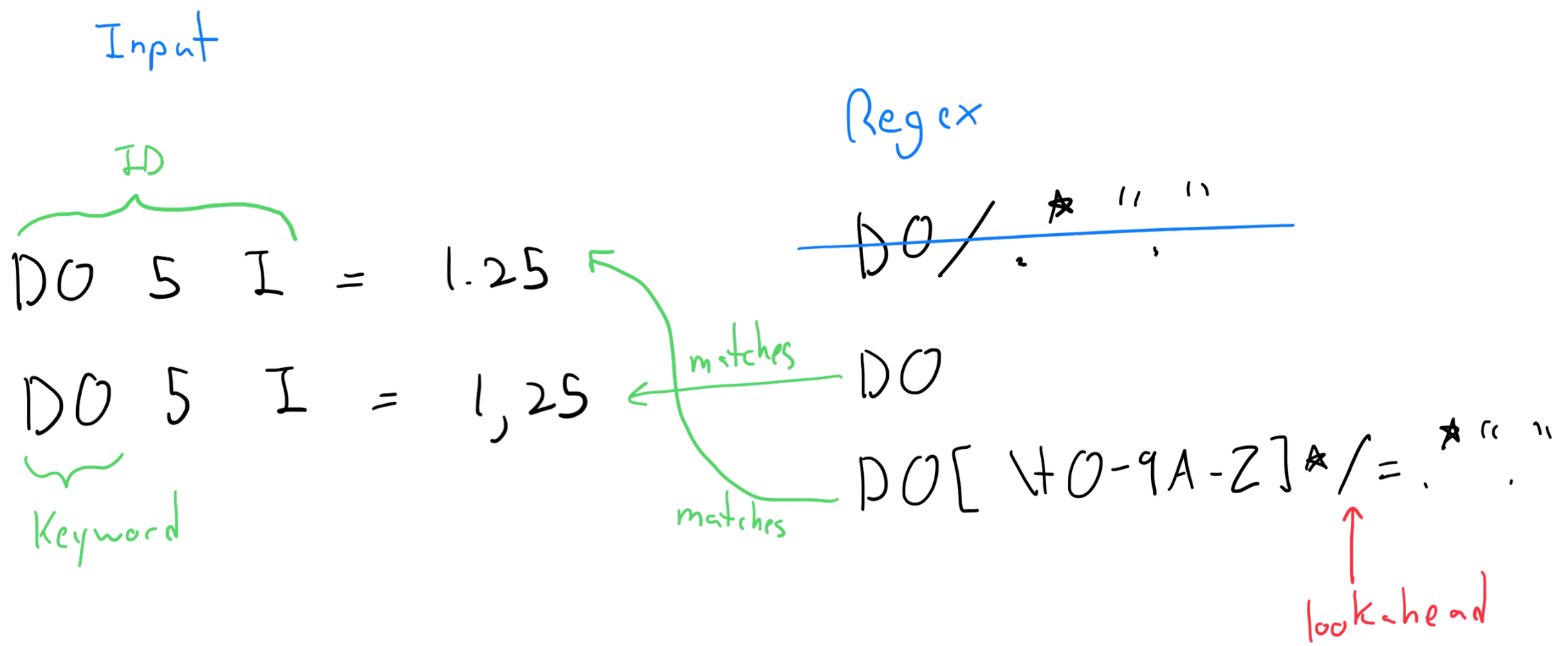


Lookahead

/ allows us to "peek" in Alex.
It is useful when we want to match two overlapping substrings in an input.



Suppose we want to differentiate DO as a
key word versus as part of a variable.



- Limits of regex: It does not have memory.
So, we can't "count" with it.

1 2 n n 2 1
DO DO ... DO WHILE ... WHILE WHILE

Regex cannot be used to associate the k -th DO with the k -th WHILE. We can't "go back" from the current position and see how many DO's have been consumed.